CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BBU/W.No.08/CSR-13h/CEMENT/2019-20 Date: 18.01.2020

TEST REPORT ON CEMENT

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.B. Umesh,** No.385/1, Near Anjaneya Temple, Bettahalsur Village and Post, Bangalore – 562157.
* Name of Work	:	Providing Borewell and Pipeline work in Bhadrappa Layout and surrounding in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/185/2019-20 Dated : 07.01.2020
* Sample ID	:	Cement
Sample Received on	:	16.01.2020
Period of Testing	:	16.1.2020 to 18.01.2020
Report Issue Date	:	18.01.2020

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	Standard Consistency	IS-4031 (Part -4) : 1988 (RA-2019)	29.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) : 1988 (RA-2019)	190 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) : 1988 (RA-2019)	385 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) : 1988 (RA-2019)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers

Pooja K.L.

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.

Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com

e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BBU/W.No.08/CSR-13h/SAND-Gradation/2019-20 18.01.2020

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.B. Umesh,** No.385/1, Near Anjaneya Temple, Bettahalsur Village and Post, Bangalore – 562157.
* Name of Work	:	Providing Borewell and Pipeline work in Bhadrappa Layout and surrounding in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/185/2019-20 Dated : 07.01.2020
* Sample ID	:	Fine Aggregates (Manufactured Sand)
Test Method As Per	:	IS - 2386 (Part 1) : 1963 (RA-2016)
Sample Received On	:	16.01.2020
Date of Testing	:	18.01.2020
Report Issue Date	:	18.01.2020

Total Wt. of Aggregates in gms = **1000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-2016			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	98.10	90-100	90-100	90-100	95-100
2.36	80.10	60-95	75-100	85-100	95-100
1.18	61.50	30-70	55-90	75-100	90-100
600 Micron	39.50	15-34	35-59	60-79	80-100
300 Micron	19.70	5-20	8-30	12-40	15-50
150 Micron	4.80	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-II specific limits.

Civil-Tech Consultants & Engineers Bangalore

Note 1 :

For crushed stone sands, the permissible limit on 150-micron IS Sieve is increased to 20 percent. This does not affect the 5 percent allowance permitted in 4.3 of IS 383 applying to other sieve sizes.

Note 2 :

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

M/s. Civil-Tech Consultants & Engineers

Pooja K.L.

Authorised Signatory

****

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka, Bangalore

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.

Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com

e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BBU/W.No.08/CSR-13h/AGG/GR/2019-20 18.01.2020

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.B. Umesh,** No.385/1, Near Anjaneya Temple, Bettahalsur Village and Post, Bangalore – 562157.
* Name of Work	:	Providing Borewell and Pipeline work in Bhadrappa Layout and surrounding in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/185/2019-20 Dated : 07.01.2020
* Sample ID	:	Coarse Aggregates (40mm)
Test Method As Per	:	IS : 2386 (Part 1) : 1963 (RA-2016)
Sample Received on	:	16.01.2020
Date of Testing	:	18.01.2020
Report Issue Date	:	18.01.2020

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS - 383 : 2016	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.50	95-100	85-100
20	40.38	30-70	0-20
10	14.34	10-35	0-5
4.75	2.64	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Civil-Tech Consultants & Engineers Bangalore

****

M/s. Civil-Tech Consultants & Engineers

Pooja K.L

Authorised Signatory

Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.

Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com

e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BBU/W.No.08/CSR-13h/AGG/GR/2019-20 18.01.2020

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.B. Umesh,** No.385/1, Near Anjaneya Temple, Bettahalsur Village and Post, Bangalore – 562157.
* Name of Work	:	Providing Borewell and Pipeline work in Bhadrappa Layout and surrounding in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/185/2019-20 Dated : 07.01.2020
* Sample ID	:	Coarse Aggregates (20mm)
Test Method As Per	:	IS - 2386 (Part 1) : 1963(RA-2016)
Sample Received on	:	16.01.2020
Date of Testing	:	18.01.2020
Report Issue Date	:	18.01.2020

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS - 383 : 2016	
		Graded	Single Sized
40	100	100	100
20	97.90	95-100	85-100
10	32.00	25-55	0-20
4.75	5.96	0-10	0-5

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers

Pooja K.L.

Authorised Signatory

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka,
B.B.M.P.
Bangalore.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.

Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com

e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BBU/W.No.08/CSR-13h/Bricks/2019-20 22.01.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF BRICKS

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.B. Umesh,** No.385/1, Near Anjaneya Temple, Bettahalsur Village and Post, Bangalore – 562157.
* Name of work	:	Providing Borewell and Pipeline work in Bhadrappa Layout and surrounding in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/185/2019-20 Dated : 07.01.2020
* Sample ID	:	Bricks
Test Method As Per	:	IS - 3495 (Part-1) :1992 (RA-2016)
Sample Received on	:	18.01.2020
Date of Testing	:	22.01.2020
Report Issue Date	:	22.01.2020

Sl.No.	Size of Bricks are in mm	Weight of Bricks in gms	Failure load in KN	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)	Class Designation As per IS: 1077:1992 (RA-2016)
1	220x100x75	3439.68	82.3	3.74	3.86	3.5
2	220x100x75	3428.60	85.6	3.89		
3	220x100x75	3437.21	87.3	3.97		
4	220x100x75	3405.60	83.4	3.79		
5	220x100x75	3429.70	85.6	3.89		

* Information is furnished by the Customer/Representative

Note :

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers

Pooja K.L.

Authorised Signatory

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P
Bangalore

#23/14, 7th Cross, 3rd Stage, 6th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.

Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com

e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BBU/W.No.08/CSR-13h/SAND-Gradation/2019-20 05.02.2020

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.B. Umesh,** No.385/1, Near Anjaneya Temple, Bettahalsur Village and Post, Bangalore – 562157.
* Name of Work	:	Providing Borewell and Pipeline work in Bhadrappa Layout and surrounding in Ward No.08, Kodigehalli, BBMP, Bangalore.
*Reference	:	BBMP/EE/BTP/WO/185/2019-20 Dated : 07.01.2020
*Sample ID	:	Sand For Plastering
Test Method As Per	:	IS - 1542 : 1992 (RA-2019)
Sample Received on	:	03.02.2020
Date of Testing	:	05.02.2020
Report Issue Date	:	05.02.2020

Total Wt. of Aggregates in gms **1000**

Is Sieved Size in mm	Cumulative Weight Passing in %	Specification Limits as per IS : 1542 - 1992 (RA-2019)
10	100	100
4.75	97.20	95-100
2.36	96.10	95-100
1.18	93.90	90-100
600 Micron	88.30	80-100
300 Micron	45.50	20-65
150 Micron	10.30	0-15

* Information is furnished by the Customer/Representative

Remarks : This tested sample satisfies requirement.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

****

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

M/s. Civil-Tech Consultants & Engineers

Pooja K.L.

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BBU/W.No.08/CSR-13h/Cube/2020-21 08.06.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.B. Umesh,** No.385/1, Near Anjaneya Temple, Bettahalsur Village and Post, Bangalore – 562157.
* Name of the work	:	Providing Borewell and Pipeline work in Bhadrappa Layout and surrounding in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/185/2019-20 Dated : 07.01.2020
* Sample ID	:	Pipeline Trench Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{15}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	08.06.2020
Report Issue Date	:	08.06.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.05.2020	08.06.2020	8.159	375.8	16.70
2	11.05.2020	08.06.2020	8.247	385.9	17.15
3	11.05.2020	08.06.2020	8.325	395.4	17.57

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, BBMP,
Bangalore.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.

Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com

e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BBU/W.No.08/CSR-13h/Cube/2020-21 08.06.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.B. Umesh,** No.385/1, Near Anjaneya Temple, Bettahalsur Village and Post, Bangalore – 562157.
* Name of the work	:	Providing Borewell and Pipeline work in Bhadrappa Layout and surrounding in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/185/2019-20 Dated : 07.01.2020
* Sample ID	:	Pipeline Trench Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{15}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	08.06.2020
Report Issue Date	:	08.06.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.05.2020	08.06.2020	8.358	386.5	17.18
2	11.05.2020	08.06.2020	8.405	394.5	17.53
3	11.05.2020	08.06.2020	8.221	419.3	18.64

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

Assistant Executive Engineer.
Kodigehalli Sub Division,
BBMP, Bangalore.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BBU/W.No.08/CSR-13h/Cube/2020-21 09.06.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.B. Umesh,** No.385/1, Near Anjaneya Temple, Bettahalsur Village and Post, Bangalore – 562157.
* Name of the work	:	Providing Borewell and Pipeline work in Bhadrappa Layout and surrounding in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/185/2019-20 Dated : 07.01.2020
* Sample ID	:	Pipeline Trench Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{15}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	09.06.2020
Report Issue Date	:	09.06.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.05.2020	09.06.2020	8.229	395.5	17.58
2	12.05.2020	09.06.2020	8.328	405.8	18.04
3	12.05.2020	09.06.2020	8.415	419.8	18.66

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

Assistant Executive Engineer,
Kodigehalli Sub Division,
Shankara Zone, BBMP,
Bangalore.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BBU/W.No.08/CSR-13h/Cube/2020-21 09.06.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.B. Umesh,** No.385/1, Near Anjaneya Temple, Bettahalsur Village and Post, Bangalore – 562157.
* Name of the work	:	Providing Borewell and Pipeline work in Bhadrappa Layout and surrounding in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/185/2019-20 Dated : 07.01.2020
* Sample ID	:	Pipeline Trench Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{15}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	09.06.2020
Report Issue Date	:	09.06.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.05.2020	09.06.2020	8.090	385.4	17.13
2	12.05.2020	09.06.2020	8.113	395.2	17.56
3	12.05.2020	09.06.2020	8.226	365.6	16.25

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 9342889190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BBU/W.No.08/CSR-13h/Cube/2020-21 09.06.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.B. Umesh,** No.385/1, Near Anjaneya Temple, Bettahalsur Village and Post, Bangalore – 562157.
* Name of the work	:	Providing Borewell and Pipeline work in Bhadrappa Layout and surrounding in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/185/2019-20 Dated : 07.01.2020
* Sample ID	:	Pipeline Trench Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{15}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	09.06.2020
Report Issue Date	:	09.06.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.05.2020	09.06.2020	8.157	395.4	17.57
2	12.05.2020	09.06.2020	8.223	415.6	18.47
3	12.05.2020	09.06.2020	8.350	425.9	18.93

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

Assistant Executive Engineer,
Kodigehalli Sub Division
Chandrika Zone, B.B.M.P
Bangalore

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

ABSTRACT OF FREQUENCY OF TESTS CARRIED OUT

Name of Work : Providing Borewell and Pipeline Work in Bhadrappa Layout and surrounding in Ward No. 08, Kodigehalli, BBMP, Bangalore.

Type of Road Surface	Minimum Number of Tests as per IRC norms	Number of Test done during execution	Percentage of Tests carried out as per IRC norms
I	II	III	IV
CIVIL WORKS	11	11	100%
TOTAL	**11**	**11**	**100%**

Civil Tech Consultants & Engineers Bangalore

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

ABSTRACT OF FREQUENCY OF TESTS CARRIED OUT

Name of Work : Providing Borewell and Pipeline Work in Bhadrappa Layout and surrounding in Ward No. 08, Kodigehalli, BBMP, Bangalore.

Description	Quantity	Unit	Total Number of test to be carried out as per IRC	Actual Number of Test to be conducted	% Completed
I	II	III	IV	V	IV
1) PCC 1:4:8 a)Cement b)M.Sand c)40MM Aggregates d)20MM Aggregates e)Sand for Plastering	75.24	Cum	5	5	100%
2)Cube M15	50.16	Cum	5	5	100%
3)Bricks-Compressive Strength	6.48	Cum	1	1	100%
TOTAL			**11**	**11**	**100%**

Civil-Tech Consultants & Engineers Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P
Bangalore.